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1 **Logo insertion in MPEG transcoder**
Panusopone, K.; Xuemin Chen; Fan Ling;
Acoustics, Speech, and Signal Processing, 2001.
Proceedings. (ICASSP '01). 2001 IEEE International
Conference on , Volume: 2 , 7-11 May 2001
Page(s): 981 -984 vol.2

[Abstract]   [PDF Full-Text (484 KB)] **IEEE CNF**

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1	8966	((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) same ((encod$3 or cod$3 or compress$3) near3 (signal$1 or image$1 or picture$1 or video$1 or stream$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 11:34
2	5005	((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) with ((encod$3 or cod$3 or compress$3) near3 (signal$1 or image$1 or picture$1 or video$1 or stream$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 12:01
4	115	(((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) with ((encod$3 or cod$3 or compress$3) near3 (signal$1 or image$1 or picture$1 or video$1 or stream$1))) same ((motion or moving or movement) near2 compensat$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 12:25
5	1778	((382/236,235,239) or (382/240,240.01,240.12)).CCLS.	USPAT; US-PGPUB	2003/12/13 12:01
6	223153	(add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)	USPAT; US-PGPUB	2003/12/13 12:30
7	518	(((382/236,235,239) or (382/240,240.01,240.12)).CCLS.) and ((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1))	USPAT; US-PGPUB	2003/12/13 12:24
8	169	((((382/236,235,239) or (382/240,240.01,240.12)).CCLS.) and ((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1))) and ((motion or moving or movement) near2 compensat$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 12:30
9	159	(((((382/236,235,239) or (382/240,240.01,240.12)).CCLS.) and ((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1))) and ((motion or moving or movement) near2 compensat$3)) not ((((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) with ((encod$3 or cod$3 or compress$3) near3 (signal$1 or image$1 or picture$1 or video$1 or stream$1))) same ((motion or moving or movement) near2 compensat$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 12:25
10	89678	(add$3 or insert$3) near3 (data or logo or text or character$1 or symbol$1 or watermark$1)	USPAT; US-PGPUB	2003/12/13 12:28
11	463	(((382/236,235,239) or (382/240,240.01,240.12)).CCLS.) and ((add$3 or insert$3) near3 (data or logo or text or character$1 or symbol$1 or watermark$1))	USPAT; US-PGPUB	2003/12/13 12:28
12	19608	(add$3 or insert$3) near3 (logo or text or character$1 or symbol$1 or watermark$1)	USPAT; US-PGPUB	2003/12/13 12:28
13	56	(((382/236,235,239) or (382/240,240.01,240.12)).CCLS.) and ((add$3 or insert$3) near3 (logo or text or character$1 or symbol$1 or watermark$1))	USPAT; US-PGPUB	2003/12/13 12:28
14	8	((((382/236,235,239) or (382/240,240.01,240.12)).CCLS.) and ((add$3 or insert$3) near3 (logo or text or character$1 or symbol$1 or watermark$1))) and ((motion or moving or movement) near2 compensat$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 12:28
15	211271	(add$3 or insert$3) near3 (additional or data)	USPAT; US-PGPUB	2003/12/13 12:30

16	728	((add$3 or insert$3) near3 (additional or data)) same ((motion or moving or movement) near2 compensat$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 12:30
17	62	(((add$3 or insert$3) near3 (additional or data)) same ((motion or moving or movement) near2 compensat$3)) and (((382/236,235,239) or (382/240,240.01,240.12)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 12:30
18	52	((((add$3 or insert$3) near3 (additional or data)) same ((motion or moving or movement) near2 compensat$3)) and (((382/236,235,239) or (382/240,240.01,240.12)).CCLS.)) not ((((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) with ((encod$3 or cod$3 or compress$3) near3 (signal$1 or image$1 or picture$1 or video$1 or stream$1))) same ((motion or moving or movement) near2 compensat$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 12:30
19	51	(((((add$3 or insert$3) near3 (additional or data)) same ((motion or moving or movement) near2 compensat$3)) and (((382/236,235,239) or (382/240,240.01,240.12)).CCLS.)) not ((((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) with ((encod$3 or cod$3 or compress$3) near3 (signal$1 or image$1 or picture$1 or video$1 or stream$1))) same ((motion or moving or movement) near2 compensat$3))) not (((((382/236,235,239) or (382/240,240.01,240.12)).CCLS.) and ((add$3 or insert$3) near3 (logo or text or character$1 or symbol$1 or watermark$1))) and ((motion or moving or movement) near2 compensat$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 12:31
-	1	("20010021273").PN.	USPAT; US-PGPUB	2003/12/11 16:44
-	1	(("20010021273").PN.) and error$1	USPAT; US-PGPUB	2003/12/11 16:58
-	223153	(add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)	USPAT; US-PGPUB	2003/12/13 11:32
-	29489	((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) same (encod$3 or cod$3 or compress$3)	USPAT; US-PGPUB	2003/12/11 17:04
-	6507	((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) same ((encod$3 or cod$3 or compress$3) near4 (signal$1 or image$1 or picture$1 or video$1))	USPAT; US-PGPUB	2003/12/13 11:33
-	799	(((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) same ((encod$3 or cod$3 or compress$3) near4 (signal$1 or image$1 or picture$1 or video$1))) and (motion adj compensat$3)	USPAT; US-PGPUB	2003/12/11 17:05
-	298	(((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) same ((encod$3 or cod$3 or compress$3) near4 (signal$1 or image$1 or picture$1 or video$1))) same (motion adj compensat$3)	USPAT; US-PGPUB	2003/12/11 17:03
-	16817	((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) with (encod$3 or cod$3 or compress$3)	USPAT; US-PGPUB	2003/12/11 17:04

-	3250	((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) with ((encod$3 or cod$3 or compress$3) near4 (signal$1 or image$1 or picture$1 or video$1))	USPAT; US-PGPUB	2003/12/11 17:06
-	445	(((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) with ((encod$3 or cod$3 or compress$3) near4 (signal$1 or image$1 or picture$1 or video$1))) and (motion adj compensat$3)	USPAT; US-PGPUB	2003/12/11 17:07
-	93	(((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) with ((encod$3 or cod$3 or compress$3) near4 (signal$1 or image$1 or picture$1 or video$1))) same (motion adj compensat$3)	USPAT; US-PGPUB	2003/12/13 11:35
-	2124	((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) near5 ((encod$3 or cod$3 or compress$3) near4 (signal$1 or image$1 or picture$1 or video$1))	USPAT; US-PGPUB	2003/12/11 17:07
-	286	(((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) near5 ((encod$3 or cod$3 or compress$3) near4 (signal$1 or image$1 or picture$1 or video$1))) and (motion adj compensat$3)	USPAT; US-PGPUB	2003/12/11 17:07
-	36	(((add$3 or insert$3) near3 (additional or data or logo or text or character$1 or symbol$1 or watermark$1)) near5 ((encod$3 or cod$3 or compress$3) near4 (signal$1 or image$1 or picture$1 or video$1))) same (motion adj compensat$3)	USPAT; US-PGPUB	2003/12/11 17:08
-	1	"5544266".PN.	USPAT	2003/12/11 18:10
-	1	"5589993".PN.	USPAT	2003/12/11 18:10
-	1	"5623312".PN.	USPAT	2003/12/11 18:10
-	1	"5635985".PN.	USPAT	2003/12/11 18:11
-	1	"5729293".PN.	USPAT	2003/12/11 18:11
-	1	"6181743".PN.	USPAT	2003/12/11 18:11
-	1	"6493389".PN.	USPAT	2003/12/11 18:11
-	380	distance adj map$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 11:07
-	34756	(lower$3 or reduc$4 or decreas$3) near3 resolution	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 11:05
-	118960	multiresolution or (multi adj resolution) or pyramid$2 or hierarch$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 11:05
-	5	(distance adj map$1) with (((lower$3 or reduc$4 or decreas$3) near3 resolution) or (multiresolution or (multi adj resolution) or pyramid$2 or hierarch$6))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 11:07
-	696	distance adj2 map$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 11:07
-	7	(distance adj2 map$1) with (((lower$3 or reduc$4 or decreas$3) near3 resolution) or (multiresolution or (multi adj resolution) or pyramid$2 or hierarch$6))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 11:07

-		2	((distance adj2 map$1) with (((lower$3 or reduc$4 or decreas$3) near3 resolution) or (multiresolution or (multi adj resolution) or pyramid$2 or hierarch$6))) not ((distance adj map$1) with (((lower$3 or reduc$4 or decreas$3) near3 resolution) or (multiresolution or (multi adj resolution) or pyramid$2 or hierarch$6)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/13 11:07

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A method of inserting binary data into MPEG bitstreams

Kiya, H.   Noguchi, Y.   Takagi, A.   Kobayshi, H.
Dept. of Electr. Eng., Tokyo Metropolitan Univ. ;

Abstract:
We propose a method for inserting binary data into MPEG bitstreams. The proposed method allows us to extract the inserted data perfectly eventhough the MPEG video is a lossy algorithm, and the quality of the decoded images after extracting additional information is almost the same as that of the ordinary MPEG bitstreams. Moreover, the standard MPEG decoder can be used for decoding the bitstreams with inserted binary data. In that case, the additional binary data remains in bitstreams but can decode images without obvious image degradation. To verify the effectiveness of our method, we show simulation results using BIFS (BInary Format for Scenes) data for MPEG-4 as an example of the binary data for insertion

Index Terms:
code standards   data compression   decoding   discrete cosine transforms   quantisation (signal)   video coding   BIFS data   DCT domain   MPEG bitstreams   MPEG decoder   MPEG encoding algorithm   binary data insertion   binary format for scenes data   inserted binary data

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